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CURRICULUM VITAE

NAME: Joanna Miles

ORGANIZATION: Department of Commerce
National Oceanic & Atmospheric Administration
National Marine Fisheries Service
Southwest Fisheries Science Center
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PRESENT POSITION:
IT Specialist

EDUCATION:
Humboldt State University, Arcata, California - **B.S., Biology with Zoology Emphasis**

EXPERIENCE:

2012 - Present, IT Specialist/HMS Fisheries Data Manager - Southwest Fisheries Science Center, La Jolla, CA

- Development/modeling of new HMS database: authoring of triggers, sequences, tables, views, entity diagrams, data processing functions and procedures, validations etc.
- APEX application development for new HMS database data entry interface
- Develop SQL queries and PL/SQL functions/procedures to maintain and interact with data in current HMS database
- Assist in generation of annual summaries for various interested parties and management bodies
- Quality assessments and maintenance of incoming and historic data in existing HMS database
- Assist in fulfilling ad-hoc data requests

2011, Data Technician - Pacific States Marine Fisheries Commission, Portland, OR

- Worked with Oregon tribes and the Oregon Department of Fish and Wildlife to assess data collection and processing flow and present these processes in a graphical way

2005 – 2009, Marine Biologist/IT Specialist -Fisheries Monitoring and Analysis Division, NMFS, Seattle, WA

- Authoring, debugging, testing, maintaining programming modules utilizing SQL and PL/SQL functions, procedures, tables, views, ad hoc queries, etc.
- Consulting support as requested for ad hoc data requests
- Data validation and population, data quality assessments
- Troubleshooting application installations

- Developing data collection protocols, forms, and instructions
- Assisting staff with database querying and interpretation of results

2003 – 2007, Marine Biologist - Fisheries Monitoring and Analysis Division, NMFS, Seattle, WA

- Post-deployment field personnel interviews to assess data quality
- Facilitating multi-day fisheries biologist/observer training sessions
- Maintaining courteous, informational, professional relationship with public
- Project lead: major revisions to publicly accessible Observer Program Sampling Manual
- Project lead: development of application to consolidate archived paper-form information
- Developing visual aids, forms, reports and processes to support staff work activities
- Monitoring field personnel performance and assisting remotely
- Inspecting commercial fishing vessels, ensuring compliance with established regulations

1996 – 2002 and 2010, Fisheries Observer -Northwest Observers Incorporated, Seattle, WA

- Collecting statistically robust fisheries data in demanding environmental conditions on board vessels fishing in the Bering Sea and Gulf of Alaska
- Reporting these data per protocol to the Fisheries Monitoring and Analysis Division, Seattle, WA
- Documenting and reporting violations by vessel operators and/or crew of USCG safety regulations, Marine Mammal Protection Act, American Fisheries Act, Endangered Species Act
- Nearly 800 at –sea days on midwater trawlers and processors, longliners, bottom trawlers for Pollock, Pacific cod, sable fish, halibut, flatfish

RESEARCH INTERESTS:

HONORS AND AWARDS:

2009 Employee of the Year, Alaska Fisheries Science Center, Seattle, WA

PUBLICATIONS:

REPORTS:

OTHERS: